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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	10/681,753
Filing Date	October 9, 2003
First Named Inventor	Christopher G. WILLIAMS
Art Unit	
Examiner Name	
Attorney Docket Number	ELISSE0002

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
LS	A	US- 5,399,665	03-21-1995	Barrera et al.	
LS	B	US- 5,567,435	10-22-1996	Hubbell et al.	
LS	C	US- 5,709,854	01-20-1998	Griffith-Cima et al.	
LS	D	US- 6,123,727	09-26-2000	Vacanti et al.	
LS	E	US- 6,224,893	05-01-2001	Langer et al.	
LS	F	US- 6,258,870	07-10-2001	Hubbell et al.	
LS	G	US- 6,465,001	10-15-2002	Hubbell et al.	
LS	H	US- 6,471,993	10-29-2002	Shastri et al.	
LS	I	US- 6,554,867	04-29-2003	Joos	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
LS ✓	J	WO-94-25080	11-10-1994	Mass. Inst. Technology		
LS ✓	K	WO-93-17669	09-16-1993	Bd. Regents U. Texas		

Examiner Signature	Laura Schlaeger	Date Considered	5/19/06

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

Complete if Known	
Application Number	10/681,753
Filing Date	October 9, 2003
First Named Inventor	Christopher G. WILLIAMS
Art Unit	
Examiner Name	
Attorney Docket Number	ELISSE0002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
LS	L	AYDELOTTE, M. et al. "Differences between sub-populations of cultured bovine articular chondrocytes. I: Morphology and cartilage matrix production" Connective Tissue Res., vol. 18, pp. 205-222. (1988)	
LS	M	AYDELOTTE, M. et al. "Differences between sub-populations of cultured bovine articular chondrocytes. II: Proteoglycan metabolism" Connective Tissue Res., vol. 18, pp. 223-234. (1988)	
LS	N	BUCKWALTER, J. et al. "Articular Cartilage Part I: Tissue design and chondrocyte-matrix interactions" The Journal of Bone and Joint Surgery, vol. 79-A, pp. 600-611 (1997)	
LS	O	BUCKWALTER, J. et al. "Articular Cartilage Part II: Degeneration and osteoarthritis, repair, regeneration, and transplantation" The Journal of Bone and Joint Surgery, vol. 79-A, pp. 612-632. (1997)	
LS	P	ELISSEEFF, J. et al. "Biological response of chondrocytes to hydrogels" Ann. N.Y. Acad. Sci. vol. 961, pp. 118-122. (2002)	
LS	Q	ELISSEEFF, J. et al. "Photoencapsulation of chondrocytes in poly(ethylene oxide)-based semi-interpenetrating networks" J. Biomed. Mater. Res., vol. 51, pp. 164-171. (2000)	
LS	R	ELISSEEFF, J. et al. "Transdermal photopolymerization for minimally invasive implantation" Proc. Nat'l. Acad. Sci. USA., vol. 96, pp. 3104-3107. (1999)	
LS	S	HEALY, K. et al. "Designing biomaterials to direct biological responses" Ann. N.Y. Acad. Sci., vol. 875, pp. 24-35. (1999)	
LS	T	HUBBELL, J. et al. "Bioactive biomaterials" Curr. Opin. Biotechnol., vol. 10, pp. 123-129. (1999)	
LS	U	KIM, T.-K. et al. "Experimental model for cartilage tissue engineering to regenerate the zonal organization of articular cartilage" OsteoArthritis and Cartilage, vol. 11, pp. 653-664. (2003)	

Examiner Signature	/Laura Schuberg/	Date Considered	05/19/2006

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 3

Complete if Known	
Application Number	10/681,953
Filing Date	October 9, 2003
First Named Inventor	Christopher G. WILLIAMS
Art Unit	
Examiner Name	
Attorney Docket Number	ELISSE0002

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
LS	V	KLEIN, T. et al. "Tissue engineering of stratified articular cartilage from chondrocyte subpopulations" OsteoArthritis and Cartilage, vol. 11, pp. 595-602. (2003)	
LS	W	KORVER, G. et al. "Composition of proteoglycans synthesized in different layers of cultured anatomically intact articular cartilage" Matrix, vol. 10, pp. 394-401. (1990)	
LS	X	QUINN, T. et al. "Controlled enzymatic matrix degradation for integrative cartilage repair" Tissue Engineering, vol. 8, pp. 799-806. (2002)	
LS	Y	SAWHNEY, A. et al. "Bioerodibile hydrogels based on photopolymerized poly(ethylene glycol)-co-poly(alpha-hydroxy acid) diacrylate macromers" Macromolecules, vol. 26, pp. 581-587. (1993)	
LS	Z	SICZKOWSKI, M. et al. "Subpopulations of chondrocytes from different zones of pig articular cartilage" The Journal of Cell Science, vol. 97, pp. 349-360. (1990)	
LS	AA	SOLCHAGA, L. et al. "Experimental models of cartilage repair: cartilage regeneration using principles of tissue engineering" Clin. Orthopaedics and Related Res., vol. 391S, pp. S161-170. (2001)	
LS	AB	TEMENOFF, J. et al. "Review: tissue engineering for regeneration of articular cartilage" Biomaterials, vol. 21: pp. 431-440. (2000)	
LS	AC	WALDMAN, S. et al. "The use of specific chondrocyte populations to modulate the properties of tissue-engineered cartilage" J. Orthopedic Res., vol. 21, pp. 132-138. (2003)	
LS	AD	WONG, M. et al. "Zone-specific cell biosynthetic activity in mature bovine articular cartilage" J. Orthopaedic Res., vol. 14, pp. 424-432. (1996)	
LS	BA	ASSAM, T. et al. "Cationic polysaccharides for gene delivery" Macromolecules, vol. 35, pp. 9947-9953. (2002)	

Examiner Signature		Date Considered	5/19/2006

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INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
116567-023	10/681,753
Applicant(s) WILLIAMS et al.	
Filing Date 9 October 2003	**Group Art Unit** 1651

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LS	AA	6,949,252 B2	09/27/2005	Mizuno et al.			
LS	AB	6,821,107 B1	11/23/2004	Hara et al.			
LS	AC	6,378,527 B1	04/30/2002	Hungerford et al.			
LS	AD	6,224,893 B1	05/01/2001	Langer et al.			
LS	AE	5,906,934	05/25/1999	Grande et al.			

U.S. PATENT APPLICATION PUBLICATIONS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LS	AF	2002/0128346 A1	09/12/2002	Domschke et al.			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER	/Laura Schuberg/	DATE CONSIDERED	05/19/2006

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